

I Claim:-

1. A nacelle assembly adapted for mounting on a ducted fan gas turbine engine comprising a generally annular body having an air inlet and an air outlet, a first attachment
5 means and a second attachment means, the generally annular body encircling a region of the engine when working in operative association with the engine, the first attachment means attached to a rigid member and a second attachment means attached to a casing assembly on the engine wherein the
10 second attachment means is frangible and detaches the nacelle assembly from the casing assembly during a FBO event.
2. A nacelle assembly adapted for mounting on a gas turbine engine as claimed in claim 1 wherein the casing assembly comprises a containment casing, the a containment casing
15 surrounds a fan assembly.
3. A nacelle assembly adapted for mounting on a gas turbine engine as claimed in claim 1 wherein the second attachment means provides support in the radial direction.
4. A nacelle assembly adapted for mounting on a gas turbine
20 engine as claimed in claim 1 wherein the rigid member is a component of the engine.
5. A nacelle assembly adapted for mounting on a gas turbine engine as claimed in claim 1 wherein the rigid member is a pylon assembly structure.
- 25 6. A nacelle assembly adapted for mounting on a gas turbine engine as claimed in claim 1 wherein the rigid member is a component of the aircraft structure.
7. A nacelle assembly adapted for mounting on a gas turbine engine as claimed in claim 1 wherein the first attachment
30 means provides support for the nacelle in the radial, axial and circumferential directions.
8. A nacelle assembly adapted for mounting on a gas turbine engine as claimed in claim 1 wherein the first attachment means is a releasable attachment.
- 35 9. A nacelle assembly adapted for mounting on a gas turbine engine as claimed in claim 1 wherein the annular body

comprises a radially outer facing and a radially inner facing, the radially outer facing and the radially inner facing defining a space therebetween.

10. A nacelle assembly adapted for mounting on a gas turbine
5 engine as claimed in claim 9 wherein the annular body comprises the outer facing and inner facing joining and extending rearward of the space to form a single skin.

11. A nacelle assembly adapted for mounting on a gas turbine
10 engine as claimed in claim 9 wherein the outer facing and inner facing are constructed from sandwich constructions.

12. A nacelle assembly adapted for mounting on a gas turbine engine as claimed in claim 9 wherein the space contains a lightweight core, the lightweight core attached to both the outer facing and the inner facing.

15 13. A nacelle assembly adapted for mounting on a gas turbine engine as claimed in claim 9 wherein the space contains a connector, the connector attached to both the outer facing and the inner facing.

14. A nacelle assembly adapted for mounting on a gas turbine
20 engine as claimed in claim 13 wherein the connector extends substantially in the axial direction.

15. A nacelle assembly adapted for mounting on a gas turbine engine as claimed in claim 13 wherein the connector extends substantially in the circumferential direction.

25 16. A nacelle assembly adapted for mounting on a gas turbine engine as claimed in claim 1 wherein the annular body includes an access panel.

17. A nacelle assembly adapted for mounting on a gas turbine engine as claimed in claim 9 wherein the nacelle assembly
30 comprises an engine accessory, the engine accessory is operationally located within the space in the annular body.

18. A method for assembling a nacelle assembly with an engine comprising the steps aligning the nacelle assembly and the engine substantially parallel to the engine rotation
35 axis, translating the nacelle assembly along the axis to

engage the first and second attachments, and securing the first attachment.

19. A method for removing a nacelle assembly from an engine comprising the steps releasing the first attachment,
5 translating the nacelle assembly substantially parallel to the axis of the engine.